

Texas Cardiovascular Health & Wellness Program

Texas Department of State Health Services



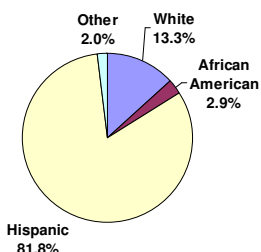
Stroke Facts

Texas Trauma Service Area (TSA) I

Updated July 2009

<http://www.dshs.state.tx.us/wellness/data.shtm>

Demography of TSA I in 2007 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	224,381	113,975	110,406	29.8
18-29	149,212	78,140	71,072	19.8
30-34	153,069	75,064	78,005	20.3
35-64	152,755	70,488	82,267	20.3
65+	73,201	30,285	42,916	9.7
Total	752,618	367,952	384,666	100.0

Prevalence¹ (%) of Stroke, Adults (18+ years), 2005 - 2008

Stroke Age-Adjusted Mortality Rates² per 100,000, 2001- 2006

	TSA I	Texas	TSA I	Texas	TSA I Age <65	TSA I Age 65+
Total	2.0	2.7	56.0	57.4	8.9	375.6
Male	2.5	2.3	51.9	53.8	9.5	318.3
Female	1.4	3.0	58.0	59.1	8.3	416.7
White	3.6	2.9	53.6	56.2	8.3	386.8
African American	0.7	4.3	73.4	85.2	15.5	423.2
Hispanic	1.7	1.9	57.9	47.4	8.9	319.7

Hospital Discharge Data³ for Stroke, Texas, 2007

	Total		Age < 65		Age 65+	
	TSA I	Texas	TSA I	Texas	TSA I	Texas
Number of Discharges	1,124	51,249	348	18,332	776	32,917
Ischemic	835	42,343	218	14,064	617	28,279
Hemorrhagic	289	8,906	130	4,268	159	4,638
Total Charges	\$62,541,585	\$2,111,291,385	\$21,249,008	\$927,437,750	\$41,292,577	\$1,183,853,635
Ischemic	\$41,322,344	\$1,467,565,641	\$11,007,581	\$532,312,708	\$30,314,764	\$935,252,932
Hemorrhagic	\$21,219,241	\$643,725,744	\$10,24,1427	\$395,125,041	\$10,977,813	\$248,600,703

Texas EMS/Trauma Registry Data⁴ for TSA I by Time (Min), 2007

	TSA I	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	6.9	9.1
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	17.5	18.1
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	13.8	14.3
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	38.1	40.2

¹ Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed as having had a stroke. 2005, 2006, 2007, and 2008

² Texas Department of State Health Services Vital Statistics Unit. Mortality due to stroke (ICD-10 Code I60-I69). Age adjusted to the US 2000 census population. 2001-2006

³ Texas Health Care Information Council, Inpatient Hospital Discharge Public Use Data File, for persons all ages. Stroke (ICD-9 Code 430-432, 436-438,433,434). 2001-2006

⁴ Texas EMS/Trauma Registry. The selection criteria are:

- Calls received during 2007
- Suspected illness types defined as stroke/CVA
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

* Unable to calculate due to small sample size (< 50 respondents).

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Stroke Risk Factors¹, Texas, 2005, 2006, 2007, 2008

Diabetes	TSA I	Texas	High Blood Cholesterol (2005 & 2007)	TSA I	Texas
Total	9.4	9.0	Total	36.3	36.4
Male	7.9	8.8	Male	38.5	37.0
Female	10.9	9.2	Female	33.7	35.8
White	7.8	8.0	White	37.5	38.2
African American	14.1	12.4	African American	*	32.1
Hispanic	9.5	10.0	Hispanic	36.2	33.4
Current Smoker	TSA I	Texas	High Blood Pressure (2005 & 2007)	TSA I	Texas
Total	17.2	18.9	Total	21.3	26.1
Male	22.1	22.0	Male	20.4	25.9
Female	12.0	16.0	Female	22.2	26.3
White	19.2	19.7	White	30.7	28.5
African American	14.7	22.6	African American	34.2	38.5
Hispanic	16.7	16.7	Hispanic	18.7	19.2
Obesity² (BMI≥30)	TSA I	Texas	No Leisure Time Physical Activity³	TSA I	Texas
Total	27.0	27.7	Total	28.5	28.2
Male	25.4	28.1	Male	25.9	25.4
Female	28.8	27.3	Female	31.2	30.8
White	24.5	24.7	White	23.6	23.6
African American	32.1	38.1	African American	16.3	32.8
Hispanic	27.8	31.8	Hispanic	29.9	35.5

Recognition of Stroke Symptoms¹, 2005

Stroke Symptoms	% of Respondents Recognizing Symptoms	
	TSA I	Texas
Sudden confusion or trouble speaking	69.9	76.3
Sudden numbness or weakness of face, arms, legs (especially on one side)	87.8	86.5
Sudden trouble seeing in one or both eyes	54.3	61.6
Sudden trouble walking, dizziness, or loss of balance	78.2	78.2
Severe headache with no known cause	57.6	57.4
Recognizes all stroke symptoms	13.1	17.0
Would call 911 as a first response if Heart Attack OR Stroke is suspected	89.4	85.1

¹ Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed with high blood pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high blood cholesterol; Respondents 18 years and older who report that they have been diagnosed with diabetes. Does not include gestational diabetes. 2005, 2006, 2007 and 2008

² Obese > 95th Percentile for BMI by Age/Sex: <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

³ Physical activity recommendation- percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey
<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

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